

PTO/SB/08a/2 (08-03)

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Application Number | 10/601,020 |
| | | Filing Date | June 20, 2003 |
| | | First Named Inventor | Andrea D Branch, et al. |
| | | Art Unit | 1648 |
| | | Examiner Name | Timothy M. Brown |
| Sheet 1 of 2 | Attorney Docket Number | RII-003CPUSDV1 | |

| U.S. PATENT DOCUMENTS | | | | | |
|--------------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials ¹ | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| NON PATENT LITERATURE DOCUMENTS | | | | | |
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| Examiner Initials ¹ | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | | |
| AB | B1 | Boulant, S., et al. "Unusual multiple recoding events leading to alternative forms of hepatitis C virus core protein from Genotype 1b." <i>J Biol Chem.</i> 2003 Nov 14; 278(46):45785-92 | | | |
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| AB | B3 | Choi, J., et al. "Triple decoding of hepatitis C virus RNA by programmed translational frameshifting." <i>Mol Cell Biol.</i> 2003 Mar; 23(5):1489-97. | | | |
| AB | B4 | Komurian-Pradel, F., et al. "Antigenic relevance of F protein in chronic hepatitis C virus infection." <i>Hepatology.</i> 2004 Oct; 40(4):900-9 | | | |
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| Examiner Signature | /Agnieszka Boesen/ | Date Considered | 09/07/2006 |
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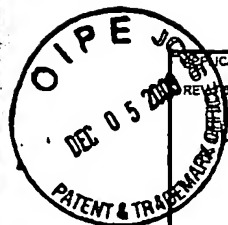
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| | | Examiner Name | Timothy M. Brown |
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| Sheet | 2 | of | 2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issu number(s), publisher, city and/or country where published | T ² |
| AB | C1 | Walewski, J.L., et al. "Reading between the lines: evidence for a new Hepatitis C virus protein." <i>Hepatology</i> , 2003 Sep, 36(3) 757-60 | |
| AB | C2 | Walewski, J.L., et al. "Mutation Master profiles of substitutions in hepatitis C virus RNA of the core, alternate reading frame, and NS2 coding regions." <i>RNA</i> , 2002 May, 8(5) 557-71 | |
| AB | C3 | Walewski, J.L., et al. "Evidence for a new hepatitis C virus antigen encoded in an overlapping reading frame." <i>RNA</i> , 2001 May, 7(5) 710-21. | |
| AB | C4 | Walewski, J.L., et al. "HCV patients have antibodies against a novel protein encoded in a second reading frame." <i>Hepatology</i> 28 (4, Pt. 2):278A, Abstr. 462 (October 1998). | |
| AB | C5 | Xu, Z., et al. "Hepatitis C virus F protein is a short-lived protein associated with the endoplasmic reticulum." <i>J Virol</i> , 2003 Jan, 77(2):1578-83. | |
| AB | C6 | Yeh, C-T, et al. "Amino acid substitutions in codons 9-11 of hepatitis C virus core protein lead to the synthesis of a short core protein product." <i>J Gastroenterol Hepatol</i> , 2000 Feb, 15(2) 182-91 | |

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.

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| Examiner Signature | /Agnieszka Boesen/ | Date Considered | 09/07/2006 |
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| APPLICANT FACSIMILE OF FORM PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY DOCKET NO R11-003CPUSCN | SERIAL NO. 10/601020 |
| LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary) | | | APPLICANT Branch, Andrea D. et al. | |
| | | | FILING DATE June 20, 2003 | GROUP 1648 |

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| AB | A2 | 5,443,965 | 08/95 | Reyes <i>et al.</i> | 435 | 693 | |
| AB | A3 | 5,728,520 | 03/98 | Weiner <i>et al.</i> | 435 | 5 | |
| AB | A4 | 5,840,839 | 11/98 | Wang <i>et al.</i> | 530 | 325 | |
| AB | A5 | 6,027,729 | 02/00 | Houghton <i>et al.</i> | 424 | 228.1 | |
| AB | A6 | 6,054,264 | 04/00 | Chien <i>et al.</i> | 435 | 5 | |
| AB | A7 | 6,074,846 | 06/00 | Ralston <i>et al.</i> | 435 | 69.3 | |
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| AB | A12 | WO 96/40227 A1 | 12/96 | WO | | | | |

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| AB | A14 | Feucht, H.-H. <i>et al.</i> "Study on Reliability of Commercially Available Hepatitis C Virus Antibody Tests" <i>Journal of Clinical Microbiology</i> 33(3):620-624 (March 1995). |
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| AB | A16 | Lo, S.-Y. <i>et al.</i> "Comparative studies of the core gene products of two different hepatitis C virus isolates: two alternative forms determined by a single amino acid substitution." <i>Virology</i> 199(1):124-31(1994 Feb. 15). |
| AB | A17 | Lo, S.-Y. <i>et al.</i> "Differential subcellular localization of hepatitis C virus core gene products." <i>Virology</i> 213(2):455-61(1995 Nov. 10). |
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| AB | A20 | Ray, B.R. <i>et al.</i> "Hepatitis C virus core protein cooperates with ras and transforms primary rat embryo fibroblasts to tumorigenic phenotype." <i>J. Virol.</i> 70(7):4438-43 (1996 Jul). |

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